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82. *Notification issued with G.O. Ms. No.* 1554, *Rural Development and Local Administration, dated the* 21*st June* 1966 *making an amendment to the Madras Panchayats* (*Election of Presidents and Vice-Presidents*) *Rules*, 1961. [*Laid on the Table of the House under Section* 179 (4) *of the Madras Panchayats Act*, 1958 (*Madras Act XXXV of* 1958.)]

83. *Notification issued with G.O. Ms. No.* 1796, *Revenue, dated the* 23*rd May* 1966, *appointing certain persons as members of the Area Committee, Coimbatore.* [*Laid on the Table of the House under Section* 116 (3) *of the Madras Hindu Religious and Charitable Endowments Act*, 1959 (*Maddas Act* 22 *of* 1959.)]

84. *Notification issued with G.O. Ms. No.* 1793, *Revenue, dated the* 23*rd May* 1966, *appointing certain persons as members of the Area Committee, Coimbatore.* [*Laid on the Table of the House under Section* 116 (3) *of the Madras Hindu Religious and Charitable Endowments Act*, 1959 (*Madras Act* 22 *of* 1959.)]

85. *Notification issued with G.O. Ms. No.* 1244, *Local Administration, dated the* 17*th May* 1966 *making certain amendments to the Rural Development and Local Administration Department Notification II-I No.* 549 *of* 1966, *dated the* 16*th February* 1966, *published at pages* 198–199 *of the Part II—Section* 1 *of the* Fort St. George Gazette, *dated the* 16*th February* 1966. [*Laid on the Table of the House under Section* 25 (4) *of the Madras Public Buildings* (*Licensing*) *Act*, 1965 (*Madras Act* 13 *of* 1965.)]

† 86. *Audit Report on the Annual Accounts of the Madras State Electricity Board for the year* 1962–63 *and Balance Sheet as on* 31*st March* 1963. [*Laid on the Table of the House under Section* 69 (5) *of the Electricity* (*Supply*) *Act*, 1948 (*Central Act* 54 *of* 1948.)]

† 87. *Audit Report on the Annual Accounts of the Madras State Electricity Board for the year* 1963–64 *and Balance Sheet as on* 31*st March* 1964. [*Laid on the Table of the House under Section* 69 (5) *of the Electricity* (*Supply*) *Act*, 1948 (*Central Act* 54 *of* 1948.)]

B. Reports, notifications and other papers.

† 10. *Statement showing the action taken on the suggestions made by the Members of the Madras Legislature during the discussions on the Annual Financial Statement of the Madras State Electricity Board for the year* 1965–66. (*Tamil and English*).

* 11. *Speech of Sri V. Ramaiah, Minister for Food, initiating the discussions in the Madras Legislature on the Annual Financial Statement for* 1966–67 *and the Supplementary Financial Statement for* 1965–66 *of the Madras State Electricity Board* (*Tamil and English*.)

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* Laid on the table of the House on 1st August 1966.

† Despatched to Members on 30th July 1966,

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APPENDIX.

[*Vide* Answer to Starred question No. 26 on page 92]

Mr. L. I. Terentiev (U.N. Expert), National Aeronautical Laboratory, Bangalore, has visited the Thanjavur district and has reported on the scope for utilizing wind-power for irrigational pumping. An extract of his report is given below :—

Observation.

" The most important factor to be considered before proceeding with the installation of a windmill pumping plant for irrigation purposes is knowledge of wind velocity at the selected site. If this is less than 3 metres per second over a large part of year it is not worthwhile to install wind power machines. In view of the above only one area Nagapattinam, where average annual wind speed is 3·95 metres per second is considered suitable for installation of wind-mills. In this area also, the wind velocity during the months August to October is very low. To ensure continuous supply of water, it is considered necessary to have a stand by diesel plant. This plant will supply about 10 to 15 per cent of the water during the year. This increases the life of auxiliary plant considerably.

Recommendations.

Irrigation of land up to 50 acres.—A windmill of type D-12 coupled with centrifugal pump is recommended for such lands. The machine will give output of 5 h.p. at the rated speed of 6 metres per second and will start pumping at windspeeds of 3 m/sec. This machine will pump 90,000 cubic metres of water at 25 feet head during irrigation period of six months.

Wind-mill type D-12 is a machine of simple construction. This consists of two propeller type blades driving a set of bevel gear and pinion which in turn rotates the impeller of the centrifugal pump.

The annual output of this machine will be 28,000 h.p. hrs. As the irrigation season is only for six months, the output during this period will be 14,000 h. p. or 10,000 k. w. hrs. This is equivalent to 3,500 litres of diesel fuel (considering 0·27 kg/h.p. hr.) or Rs. 1,000 towards electrical charges for pumping during the season at the rate of 10 Paise per k. w. hr.

Cost breakdown of machine.—The cost of production of the machine is estimated to be Rs.5,000 in large scale production and Rs. 6,000 in case the number of machines to be produced is one hundred.